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NOTICE OF ALLOWANCE AND FEE(S) DUE

20306

7590

09/01/2009

MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP 300 S. WACKER DRIVE 32ND FLOOR CHICAGO, IL 60606 EXAMINER

NIU, XINNING

ART UNIT PAPER NUMBER

2828

DATE MAILED: 09/01/2009

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/552,967	09/01/2006	Tommy Mullane	05-864	1659	

TITLE OF INVENTION: METHOD AND SYSTEM FOR CONTINUOUS SWEEPING OF A TUNABLE LASER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/01/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

appropriate. All further coindicated unless corrected maintenance fee notification	orrespondence includir below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification a) specifying a new co	of maintenance feorrespondence add	es will be ress; and/o	mailed to the current or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDEN		Fee(s) Transmittal	. This certi	ficate cannot be used:	or domestic mailings of the for any other accompanying ent or formal drawing, must			
20306	7590 09/01	/2009		have its own certif		_		
300 S. WACKER 32ND FLOOR		HOFF LLP	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
CHICAGO, IL 60	0606						(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR	ATTO	DRNEY DOCKET NO.	CONFIRMATION NO.	
10/552,967	09/01/2006	•	Tommy Mullane			05-864	1659	
TITLE OF INVENTION:			_	_		Γ		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D			TOTAL FEE(S) DUE		
nonprovisional	NO	\$1510	\$300	\$ 0		\$1810	12/01/2009	
EXAMIN		ART UNIT	CLASS-SUBCLASS					
NIU, XIN		2828	372-020000					
CFR 1.363).	 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a				
"Fee Address" indic PTO/SB/47; Rev 03-02 Number is required.			registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
3. ASSIGNEE NAME AN			-					
PLEASE NOTE: Unles recordation as set forth	ss an assignee is ident in 37 CFR 3.11. Comp	ified below, no assignee bletion of this form is NO	e data will appear on the patent. If an assignee is identified below, the document has been filed for DT a substitute for filing an assignment.					
(A) NAME OF ASSIG	NEE		(B) RESIDENCE: (CITY and STATE OR COUNTRY)					
Please check the appropria	te assignee category or	categories (will not be pr	rinted on the patent):	Individual	Corporat	ion or other private gr	oup entity 🚨 Government	
4a. The following fee(s) ar	e submitted:	41	b. Payment of Fee(s): (* *	ly any pre	viously paid issue fee	shown above)	
☐ Issue Fee			☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.					
Publication Fee (No small entity discount permitted) Advance Order - # of Copies			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Statu	e (from status indicates	d abova)	overpayment, to I	Deposit Account N	ımber	(enclose a	an extra copy of this form).	
a. Applicant claims	SMALL ENTITY state	is. See 37 CFR 1.27.				TITY status. See 37 C		
NOTE: The Issue Fee and interest as shown by the re-	Publication Fee (if requested of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	an the applicant; a	registered	attorney or agent; or t	he assignee or other party in	
Authorized Cimeture				Data				
Authorized Signature Typed or printed name								
-				1. 1.1				
This collection of informat an application. Confidentia submitting the completed this form and/or suggestion Box 1450, Alexandria, Vir Alexandria, Virginia 2231 Under the Paperwork Redu	ality is governed by 35 application form to the ns for reducing this burginia 22313-1450. DC 3-1450.	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR	1.14. This collection in depending upon the internation OCOMPLETED FORM	s estimated to take ndividual case. Ar fficer, U.S. Patent S TO THIS ADDF	12 minute by commen and Trader RESS, SEN	s to complete, including to the amount of the amount of the mark Office, U.S. Dep D TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete vartment of Commerce, P.O. for Patents, P.O. Box 1450, l number.	



United States Patent and Trademark Office

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10/552,967	09/01/2006	Tommy Mullane	05-864 1659		
20306 75	590 09/01/2009		EXAM	INER	
MCDONNELL I	BOEHNEN HULBEI	NIU, XINNING			
300 S. WACKER	DRIVE	ART UNIT	PAPER NUMBER		
32ND FLOOR CHICAGO, IL 606	506		2828		
CHE/100, IL 00000			DATE MAILED: 09/01/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 6 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 6 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/552,967	MULLANE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	XNNING NIU	2828	
	XINNING NIU	2828	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	in this application. If not included nunication will be mailed in due course	
1. X This communication is responsive to <u>amendment filed 06/2</u>	<u>22/2009</u> .		
2. X The allowed claim(s) is/are <u>1-5,9-17,20,21 and 26</u> .			
 3. Acknowledgment is made of a claim for foreign priority unergoing at large and all b) Some* c) None of the: 1. Certified copies of the priority documents have) or (f).	
2. ☐ Certified copies of the priority documents have		ion No.	
3. ☑ Copies of the certified copies of the priority do			om the
International Bureau (PCT Rule 17.2(a)).	odinomo navo boch receiv	od III tillo Hational Stage application in	3111 ti 10
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirem	nents
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,		
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			ne
Attachment(s)	E □ Notice of	nformal Datant Application	
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		nformal Patent Application	
 Information Disclosure Statements (PTO/SB/08), 	Paper No	Summary (PTO-413), b./Mail Date s Amendment/Comment	
Paper No./Mail Date			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		s Statement of Reasons for Allowance	€
	9. Other		
	/Minsun Har Supervisory P	vey/ atent Examiner, Art Unit 2828	

Application/Control Number: 10/552,967 Page 2

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

- 2. Claims 1-5, 9-17, 20, 21 and 26 are allowed. The specific limitations of "…assigning a frequency (F_{meas}) or wavelength (λ_{meas}) value to discrete points within the continuous region of operation of the laser device, the value being assigned by: measuring the time from the resonance peak at the beginning of the sweep to the measurement instant (T_{meas}), measuring the time required to sweep between adjacent resonance peaks ($T_{segment}$) and calculate the value by extracting a value for T_{meas} from $T_{segment}$." in the combination as claimed in claim 1. The specific limitations of "…means for assigning a frequency (F_{meas}) or wavelength (λ_{meas}) value to discrete points within the continuous region of operation of the laser device, the value being assigned by: measuring the time from the resonance peak at the beginning of the sweep to the measurement instant (T_{meas}), measuring the time required to sweep between adjacent resonance peaks ($T_{segment}$) and calculate the value by extracting a value for T_{meas} from
- 3. The examiner agrees with the applicant's argument that Glance in view of Li and Anton do not disclose the amended claimed limitations.

T_{seament}" in the combination as claimed in claim 26.

- 4. The limitations stated above are not anticipated or made obvious by the prior art of record in the examiner's opinion.
- 5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xinning(Tom) Niu whose telephone number is 571-270-1437. The examiner can normally be reached on M-T, 7:30-5:00 EST, Alternate Fridays 7:30-4:00 ES.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Sun Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Art Unit: 2828

/Minsun Harvey/

Supervisory Patent Examiner, Art Unit 2828